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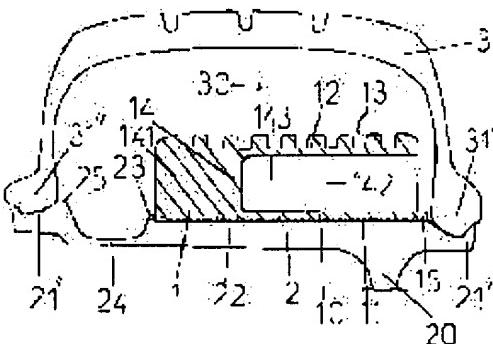
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(54) TIRE SAFETY SUPPORTING BODY MADE OF FLEXIBLE ELASTOMER MATERIAL

(57) Abstract:

PROBLEM TO BE SOLVED: To improve the durability of a tire in a compressed traveling condition by making a safety supporting body attached to a wheel rim in a tire inner side of a flexible elastomer material and providing a roughly circular cylindrical base, a cap and an annular main body for connecting these.

SOLUTION: A safety supporting body 1 attached around a wheel rim 2 in the cavity 30 of a tire 3 includes a base 10 reinforced by a ply 11 disposed in a longitudinal direction, an annular cap 12 having a longitudinal direction groove 13 in a wall in a radial direction outer side and an annular main body 14 for connecting the base 10 with the cap 12. Preferably, these are made of flexible elastomer materials having shore A hardness of 60 to 70. A cavity 143 larger than 1/2 of the annular main body 14 and extended roughly in an axial direction from its outer end surface is formed in the annular main body 14 and a remaining part is made to be a radial direction wall for forming a radial direction direct connecting part between the cap 12 and the base 10.



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